

Question 1 Estimate $258 \times 27 =$ 9000	Question 2 Estimate $60 \times 47 =$ 3000	Question 3 Work out $5/54$	Question 4 Work out $6/77$
Question 5 Work out $\pounds 368.80 \div 8$ $\pounds 46.10$	Question 6 Work out $\pounds 585.60 \div 6$ $\pounds 97.60$	Question 7 Expand $4x(7x-11)$ $28x^2 - 44x$	Question 8 Expand $3x(7-5x)$ $21x - 15x^2$
Question 9 Express 31% as a fraction in its lowest form $31/100$	Question 10 Express 39% as a fraction in its lowest form $39/100$	Question 11 Find the highest common factor of 30 and 120 30	Question 12 Find the lowest common multiple of 32 and 12 96
Question 13 Work out $72 \div -8 =$ -9	Question 14 Work out $-20 \div -2 =$ 10	Question 15 Complete the ratio $8 : 44 = 1 : ?$ 5.5	Question 16 Complete the ratio $4 : 40 = 1 : ?$ 10
Question 17 Solve $8x + 3 = 3x + 18$ $x = 3$	Question 18 Solve $5x - 1 = 3x + 9$ $x = 5$	Question 19 Express 660 as a product of prime factors $2^2 \times 3 \times 5 \times 11$	Question 20 Express 28 as a product of prime factors $2^2 \times 7$



Question 1 Estimate $29 \times 71 =$ 2100	Question 2 Estimate $18254 \div 29 =$ 600	Question 3 Work out $\frac{4}{15}$	Question 4 Work out $\frac{3}{8}$
Question 5 Work out $\text{£}393 \div 6$ £65.50	Question 6 Work out $\text{£}193.50 \div 3$ £64.50	Question 7 Expand $2x(11x + 1)$ $22x^2 + 2x$	Question 8 Expand $2x(3x - 5)$ $6x^2 - 10x$
Question 9 Express 50% as a fraction in its lowest form $\frac{1}{2}$	Question 10 Express 85% as a fraction in its lowest form $\frac{17}{20}$	Question 11 Find the highest common factor of 6 and 15 3	Question 12 Find the lowest common multiple of 40 and 30 120
Question 13 Work out $4 \div -1 =$ -4	Question 14 Work out $-40 \div -4 =$ 10	Question 15 Complete the ratio $6 : 48 = 1 : ?$ 8	Question 16 Complete the ratio $8 : 36 = 1 : ?$ 4.5
Question 17 Solve $6x + 1 = 4x - 1$ $x = -1$	Question 18 Solve $4x - 1 = 3x + 3$ $x = 4$	Question 19 Express 135 as a product of prime factors $3^3 \times 5$	Question 20 Express 8 as a product of prime factors 2^3



Question 1 Estimate $3755 - 3062 =$ 1000	Question 2 Estimate $4249 - 1546 =$ 2000	Question 3 Work out $1/3$	Question 4 Work out $5/16$
Question 5 Work out $£536.90 \div 7$ £76.70	Question 6 Work out $£306 \div 4$ £76.50	Question 7 Expand $5x(3 - 2x)$ $15x - 10x^2$	Question 8 Expand $5x(2x - 5)$ $10x^2 - 25x$
Question 9 Express 70% as a fraction in its lowest form $7/10$	Question 10 Express 76% as a fraction in its lowest form $19/25$	Question 11 Find the highest common factor of 16 and 32. 16	Question 12 Find the lowest common multiple of 36 and 72. 72
Question 13 Work out $20 \div -5 =$ -4	Question 14 Work out $-8 \times -5 =$ 40	Question 15 Complete the ratio $16 : 64 = 1 : ?$ 4	Question 16 Complete the ratio $6 : 30 = 1 : ?$ 5
Question 17 Solve $7x + 2 = 4x - 10$ $x = -4$	Question 18 Solve $4x - 4 = 3x - 3.5$ $x = 0.5$	Question 19 Express 420 as a product of prime factors $2^2 \times 3 \times 5 \times 7$	Question 20 Express 144 as a product of prime factors $2^4 \times 3^2$



Question 1 Estimate $20 \times 54 =$ <div style="text-align: center; color: red; font-size: 1.2em;">1000</div>	Question 2 Estimate $123 \times 49 =$ <div style="text-align: center; color: red; font-size: 1.2em;">5000</div>	Question 3 Work out <div style="text-align: center; color: red; font-size: 1.2em;">5/12</div>	Question 4 Work out <div style="text-align: center; color: red; font-size: 1.2em;">21/40</div>
Question 5 Work out $\text{£}311 \div 5$ <div style="text-align: center; color: red; font-size: 1.2em;">£62.20</div>	Question 6 Work out $\text{£}375.60 \div 6$ <div style="text-align: center; color: red; font-size: 1.2em;">£62.60</div>	Question 7 Expand $5x(3 + 2x)$ <div style="text-align: center; color: red; font-size: 1.2em;">$15x + 10x^2$</div>	Question 8 Expand $4x(5x - 2)$ <div style="text-align: center; color: red; font-size: 1.2em;">$20x^2 - 8x$</div>
Question 9 Express 24% as a fraction in its lowest form <div style="text-align: center; color: red; font-size: 1.2em;">6/25</div>	Question 10 Express 27% as a fraction in its lowest form <div style="text-align: center; color: red; font-size: 1.2em;">27/100</div>	Question 11 Find the highest common factor of 126 and 140 <div style="text-align: center; color: red; font-size: 1.2em;">14</div>	Question 12 Find the lowest common multiple of 30 and 40 <div style="text-align: center; color: red; font-size: 1.2em;">120</div>
Question 13 Work out $2 \times -1 =$ <div style="text-align: center; color: red; font-size: 1.2em;">-2</div>	Question 14 Work out $10 \times -1 =$ <div style="text-align: center; color: red; font-size: 1.2em;">-10</div>	Question 15 Complete the ratio $12 : 48 = 1 : ?$ <div style="text-align: center; color: red; font-size: 1.2em;">4</div>	Question 16 Complete the ratio $8 : 24 = 1 : ?$ <div style="text-align: center; color: red; font-size: 1.2em;">3</div>
Question 17 Solve $6x + 2 = 2x - 14$ <div style="text-align: center; color: red; font-size: 1.2em;">$x = -4$</div>	Question 18 Solve $3x + 5 = 2x + 7$ <div style="text-align: center; color: red; font-size: 1.2em;">$x = 2$</div>	Question 19 Express 108 as a product of prime factors <div style="text-align: center; color: red; font-size: 1.2em;">$2^2 \times 3^3$</div>	Question 20 Express 44 as a product of prime factors <div style="text-align: center; color: red; font-size: 1.2em;">$2^2 \times 11$</div>



Question 1 Estimate $5902 + 3985 =$ 10000	Question 2 Estimate $45 \times 56 =$ 3000	Question 3 Work out $1/16$	Question 4 Work out $1/3$
Question 5 Work out $£223.50 \div 5$ £44.70	Question 6 Work out $£297.20 \div 4$ £74.30	Question 7 Expand $6x(2x + 11)$ $12x^2 + 66x$	Question 8 Expand $5x(2x - 3)$ $10x^2 - 15x$
Question 9 Express 93% as a fraction in its lowest form $93/100$	Question 10 Express 91% as a fraction in its lowest form $91/100$	Question 11 Find the highest common factor of 120 and 135 15	Question 12 Find the lowest common multiple of 20 and 30 60
Question 13 Work out $10 \times -1 =$ -10	Question 14 Work out $81 \div -9 =$ -9	Question 15 Complete the ratio $12 : 48 = 1 : ?$ 4	Question 16 Complete the ratio $6 : 36 = 1 : ?$ 6
Question 17 Solve $4x - 5 = 3x - 3$ $x = 2$	Question 18 Solve $4x + 3 = 3x - 2$ $x = -5$	Question 19 Express 24 as a product of prime factors $2^3 \times 3$	Question 20 Express 54 as a product of prime factors 2×3^3



Question 1 Estimate $17671 \div 93 =$ 200	Question 2 Estimate $4122 \div 19 =$ 200	Question 3 Work out $\frac{4}{9}$	Question 4 Work out $\frac{1}{4}$
Question 5 Work out $\pounds 538.30 \div 7$ $\pounds 76.90$	Question 6 Work out $\pounds 150.60 \div 2$ $\pounds 75.30$	Question 7 Expand $5x(7 + 5x)$ $35x + 25x^2$	Question 8 Expand $3x(11x + 3)$ $33x^2 + 9x$
Question 9 Express 86% as a fraction in its lowest form $\frac{43}{50}$	Question 10 Express 80% as a fraction in its lowest form $\frac{4}{5}$	Question 11 Find the highest common factor of 30 and 60 30	Question 12 Find the lowest common multiple of 28 and 35 140
Question 13 Work out $7 \times -6 =$ -42	Question 14 Work out $4 \times -1 =$ -4	Question 15 Complete the ratio $10 : 35 = 1 : ?$ 3.5	Question 16 Complete the ratio $4 : 32 = 1 : ?$ 8
Question 17 Solve $5x + 4 = 4x + 9$ $x = 5$	Question 18 Solve $4x + 0 = 3x + 2$ $x = 2$	Question 19 Express 504 as a product of prime factors $2^3 \times 3^2 \times 7$	Question 20 Express 210 as a product of prime factors $2 \times 3 \times 5 \times 7$



Question 1 Estimate $9889 - 7344 =$ <p style="text-align: center;">3000</p>	Question 2 Estimate $78 \times 33 =$ <p style="text-align: center;">2400</p>	Question 3 Work out <p style="text-align: center;">$\frac{21}{55}$</p>	Question 4 Work out <p style="text-align: center;">$\frac{1}{5}$</p>
Question 5 Work out $\text{£}436.10 \div 7$ <p style="text-align: center;">$\text{£}62.30$</p>	Question 6 Work out $\text{£}126.30 \div 3$ <p style="text-align: center;">$\text{£}42.10$</p>	Question 7 Expand $2x(5x - 1)$ <p style="text-align: center;">$10x^2 - 2x$</p>	Question 8 Expand $2x(1 - 7x)$ <p style="text-align: center;">$2x - 14x^2$</p>
Question 9 Express 59% as a fraction in its lowest form <p style="text-align: center;">$\frac{59}{100}$</p>	Question 10 Express 98% as a fraction in its lowest form <p style="text-align: center;">$\frac{49}{50}$</p>	Question 11 Find the highest common factor of 120 and 105 <p style="text-align: center;">15</p>	Question 12 Find the lowest common multiple of 30 and 36 <p style="text-align: center;">180</p>
Question 13 Work out $90 \div -10 =$ <p style="text-align: center;">-9</p>	Question 14 Work out $-24 \div -4 =$ <p style="text-align: center;">6</p>	Question 15 Complete the ratio $5 : 25 = 1 : ?$ <p style="text-align: center;">5</p>	Question 16 Complete the ratio $4 : 16 = 1 : ?$ <p style="text-align: center;">4</p>
Question 17 Solve $8x + 2 = 6x - 2$ <p style="text-align: center;">$x = -2$</p>	Question 18 Solve $3x - 3 = 2x - 4$ <p style="text-align: center;">$x = -1$</p>	Question 19 Express 96 as a product of prime factors <p style="text-align: center;">$2^5 \times 3$</p>	Question 20 Express 180 as a product of prime factors <p style="text-align: center;">$2^2 \times 3^2 \times 5$</p>

